

REMARKS

In an office action dated 6 November 2001, the Examiner allows claims 51-75, 88,89,93-103, 113-129, and 135-140 and rejects claims 104, 105, 110-112, 130-134, and 141-143. In response to the office action, Applicants amend claims 104, 105, 110, 130, 133, 141, and 143. Applicants also respectfully traverse the Examiner's rejection. Claims 51-75, 88, 89, 93-143 remain in the application. In light of the amendments and the below remarks, Applicants respectfully request that the Examiner allow all pending claims.

Applicants have amended claims 104, 105, 110, 130, 133, 141, and 143 to recite that the master transceiver manages **direct data transmissions** between the transceivers. As stated by the applicants in the prior art section of the application, current methods of wireless networks do not provide transmission between slave transceivers. Instead, all transmissions between transceivers must take place via transmissions to and from the master transceivers. This invention eliminates the need for transmissions between slave transceivers to be sent through transmissions to and from a master transceiver. Instead, the master transceiver allocates a slot in a transmission frame to communication between the slave transceivers. Thus the data does not need to be transmitted to the master device. This provides a reliable and faster method for isochronous transmission between the slave transceivers.

U.S. patent Number 6,014,374 issued to Paneth et al (Panteth) does not teach direct data transmission between slave transceivers. Instead, Paneth teaches a telecommunication system that allows for data transfers between transceivers using time slots in a data frame. Each transceiver is issued a slot in the frame to insert data for communication to the base station or master transceiver. The transceiver in turn transmits data to a transceiver in the specified slot. Thus, communication between two slave transceivers must occur in the following manner. The master transceiver assigns a

time slot in the frame to each slave device connected to the master device for communication. The first slave transceiver then inserts the data for the second slave transceiver in the assigned slot for the slave device and transmits the data to the master transceiver. The master transceiver receives the data in the slot of the first slave transceiver and then must insert the data in the time slot for the second slave transceiver in a subsequent data frame. Thus, Paneth does not teach direct data transmission between transceivers as recited in the claims.

U.S. Number 6,031,862 issued to Fullerton et al. (Fullerton) does not recite a master transceiver that manages direct data transmissions between transceivers. Instead, Fullerton teaches a method for transmitting data in Ultra-wide band frequencies. Fullerton is completely silent as the management of data transmissions. Thus Fullerton does not teach the management of direct data transmissions between transceivers.

Since neither Paneth nor Fullerton teaches a master transceiver that controls direct data transmissions, the combination of Paneth and Fullerton does not teach a master transceiver that manages direct data transmissions between transceivers. Furthermore, even if the combination does teach a master transceiver that manages direct data transmissions, the Examiner has not provided prior art that suggests such a combination and if the Examiner wishes to maintain the rejection, Applicants request such prior art be provided and Applicants be given a chance to respond.

From the above arguments, it is apparent that amended claims 104, 105, 110, 130, 133, 141, and 143 which recite a master transceiver that manages data transmission between transceivers are not taught by the art cited by the Examiner, thus Applicants

respectfully request that the rejections to claims 104, 105, 110, 130, 133, 141, and 143 be removed.

Claims 111 and 112 are dependent upon amended claim 110 and are allowable for at least the same reasons as amended claim 110. Therefore, Applicants respectfully request that the Examiner allow claims 111 and 112.

Claims 131 and 132 are dependent upon amended claim 130 and are allowable for at least the same reasons as amended claim 130. Therefore, Applicants respectfully request that the Examiner allow claims 131 and 132

Claims 134 is dependent upon amended claim 133 and is allowable for at least the same reasons as amended claim 133. Therefore, Applicants respectfully request that the Examiner allow claim 133.

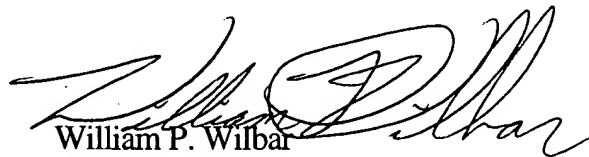
Claim 134 is dependent upon amended claim 133 and is allowable for at least the same reasons as amended claim 133. Therefore, Applicants respectfully request that the Examiner allow claim 133.

Claim 142 is dependent upon amended claim 141 and is allowable for at least the same reasons as amended claim 141. Therefore, Applicants respectfully request that the Examiner allow claim 141.

If the Examiner has a question regarding this response or the application in general, the Examiner is invited to telephone the undersigned at 775-586-9500.

Respectfully submitted,
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VERSION WITH MARKINGS TO SHOW CHANGES MADE**In the Claims:**

Claim 104 has been amended as follows:

104. (Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, said master device structured and configured to manage data transmission between said master device and said at least two other transceivers and direct data transmission between said at least two transceivers, wherein said transmitters are structured and configured to emit radio frequency pulses operating with ultra-wide band wireless technology and said receivers are structured and configured to receive said radio pulses.

Claim 105 has been amended as follows:

105. (Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, said master device structured and configured to manage data transmission between said master device and said at least two other transceivers and direct data transmission between said at least two other transceivers, wherein said transceivers are structured and configured to transfer data to other transceivers isochronously.

Claim 110 has been amended as follows:

110. (Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, [and] said master device structured and configured to manage direct data transmission between said at least three transceivers, wherein each transceiver further comprises a framing controller, said framing controller having means for generating and maintaining time frame information for said network system, wherein said transmitters are structured and configured to emit radio frequency pulses operating with ultra-wide band technology and said receivers are structured and configured to receive said radio pulses.

Claim 130 has been amended as follows:

130. (Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, [and] said master device structured and configured to manage direct data transmission between said at least three transceivers, wherein each transceiver further comprises a framing controller, said framing controller having means for generating and maintaining time frame information for said network system, wherein said transmitters are structured and configured to emit radio frequency pulses operating with ultra-wide band technology and said receivers are structured and configured to receive said radio pulses.

Claim 133 has been amended as follows:

133. (Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, [and] said master device structured and configured to manage direct data transmission between said at least three transceivers, wherein each transceiver further comprises a framing controller, said framing controller having means for generating and maintaining time frame information for said network system, wherein said transceivers are structured and configured to transfer data to other said transceivers isochronously.

Claim 141 has been amended as follows:

141. (Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, , [and] said master device structured and configured to manage direct data transmission between said at least three transceivers, at least two other transceiver being structured and configured as slave devices, wherein each said slave [transceiver] device further comprises a local clock therein, said master [transceiver] device comprising a master clock therein, each said local clock synchronized with said master clock, wherein said transmitters are structured and configured to emit radio frequency pulses operating with ultra-wide band technology and said receivers structured and configured to receive said radio pulses.

Claim 143 has been amended as follows:

143. (Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, [and] said master device structured and configured to manage direct data transmission between said at least three transceivers, at least two other transceiver being structured and configured as slave devices, wherein each said slave [transceiver] device further comprises a local clock therein, said master [transceiver] device comprising a master clock therein, each said local clock synchronized with said master clock, wherein said transmitters are structured and configured to transfer other data to other transceivers isochronously.